A, B, 3, 4 (or A, B, C, D): Drive Type Selection

Refer to Table 4 for selecting drive type desired.

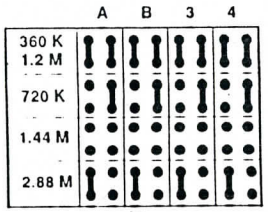


Table 4

Note:

- If 2.88MB floppy disk drives are used as 3rd and 4th drives, the only choice is E6815-C (refer to fig.1), and the drive specifiers will be C and D.
- "x" means don't care
- The factory setting of these jumpers are all set to "closed".

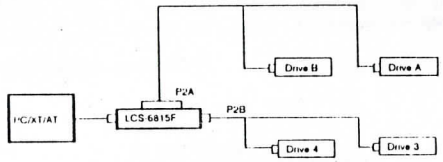
6. Software Installation

The 6815F imitates the standard operation of an IBM PC disk controller. Refer to the DOS Operation Manual for questions regarding DOS operations and the system user's manual for information regarding system setup. This setup program is usually provided by the system's diagnostics.

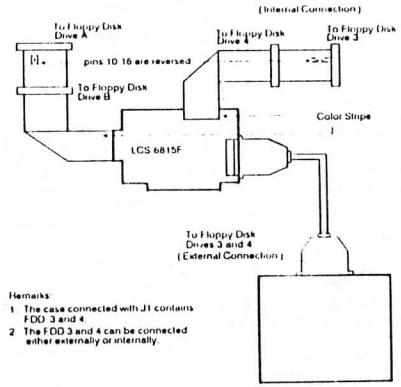
7. Hardware Installation

Refer to the following illustrations for installing LCS-6815F:

Block Diagram



Cable Connection


(Internal Connection)
To Floppy Disk Drive A
To Floppy Disk Drive 4
To Floppy Disk Drive 3
pins 10 16 are reversed
To Floppy Disk Drive B
Color Stripe
LCS-6815F
To Floppy Disk Drives 3 and 4 (External Connection)
Remarks:
1. The case connected with J1 contains FDD 3 and 4.
2. The FDD 3 and 4 can be connected either externally or internally.

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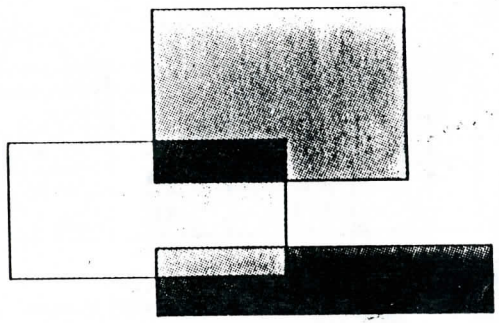

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5. Configuration - Jumper Settings

Refer to Fig.1 for the jumper locations on the LCS-6815F when configuring your system.

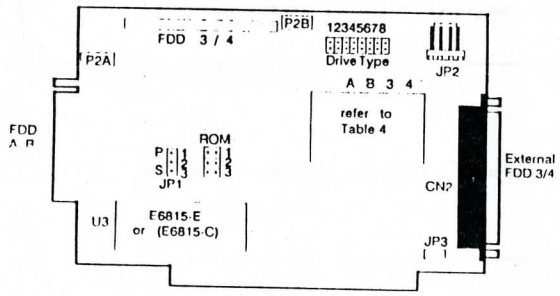

Fig.1 LCS-6815F Jumper Layout

Jumper Settings:

CN2:

The floppy disk drives 3 and 4 can be installed inside or outside the System. A 37-pin D-type connector can be used to connect external drives.

JP3: GND signal

Closed: GND to system case.

Open: GND not connected to system case (Factory setting).

JP1: I/O Address

(1,2) Closed: Primary I/O Address (P) (3F0H-3F7H). (Factory Setting)

(2,3) Closed: Secondary I/O Address (S) (370H-377H).

JP2: Power Connector

JP2 is a power connector for the external floppy disk drives 3 and 4. You may supply the power to the drives via this connector.

ROM 1,2,3:

Address Selection for firmware embedded in LCS-6815F.

Refer to Table 3 below to select the address desired.

Address / No	CA	CC	CE
1	●—●	• •	• •
2	• •	●—●	• •
3	• •	• •	●—●
Address Selection	CA000H-CBFFFH	CC000H-CDFFFH (Factory Setting)	CE000H-CFFFFH

Table 3

Note:

- In an XT system, the user can only use the LCS-6815F's firmware to set up the floppy disk drive types because the XT's system BIOS cannot support the floppy disk drive types other than 360KB.

- All the jumpers 1, 2, 3 must be set to "open" when using system's BIOS instead of using LCS-6815F's firmware to set up the floppy disk drive. Refer to the system user's manual for information about setting up the floppy disk.